

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L2    | 92   | ("2193636"   "2512640"  <br>"2662855"   "2666010"  <br>"2679533"   "2692231"  <br>"2740744"   "2746928"  <br>"2751713"   "2863798"  <br>"2868686"   "2917428"  <br>"3152073"   "3194758"  <br>"3223643"   "3344018"  <br>"3380923"   "3525696"  <br>"3749673"   "3778476"  <br>"3898336"   "3958020"  <br>"3966090"   "4045358"  <br>"4051058"   "4051059"  <br>"4073888"   "4111679"  <br>"4113857"   "4206233"  <br>"4336152"   "4397757"  <br>"4592488"   "4597975"  <br>"4654208"   "4704212"  <br>"4737307"   "4741851"  <br>"4804492"   "4822513"  <br>"4824867"   "4857223"  <br>"4874788"   "4900721"  <br>"4937072"   "4941989"  <br>"4960590"   "4976874"  <br>"5047164"   "5070105"  <br>"5081106"   "5093078"  <br>"5117049"   "5200189"  <br>"5202047"   "5264191"  <br>"5320805"   "5366983"  <br>"5545349"   "5576282"  <br>"5620527"   "5658467"  <br>"5683724"   "5756090"  <br>"6106854").PN. OR<br>("6436445").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | OR               | OFF     | 2008/11/06<br>10:34 |
| L7    | 13   | "KOI SHI KAWA, NAOMI".<br>in.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/11/06<br>11:47 |
| L8    | 45   | "ADEKA CORPORATION".<br>as.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/11/06<br>11:48 |

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|-----|-----|--|---|----|-----|---------------------|
| L9  | 58  | 7 or 8   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/11/06<br>11:48 |
| L10 | 0   | 9 and (lubricant or<br>lubricating or lubrication)<br>and quaternary near<br>ammonium                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/06<br>11:48 |
| L11 | 33  | 9 and ammonium   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/06<br>11:49 |
| L12 | 0   | 9 and quaternary near<br>ammonium  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/06<br>11:49 |
| L13 | 0   | 9 and quaternary and<br>ammonium   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/06<br>11:49 |
| L14 | 18  | 9 and quaternary and<br>ammonium   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/06<br>11:49 |
| L15 | 16  | 9 and quaternary near<br>ammonium  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/06<br>11:49 |
| S1  | 1   | ("20070123436").PN.  | US-PGPUB;<br>USPAT; USOCR                                   | OR | OFF | 2008/11/04<br>19:22 |
| S2  | 0   | ("2007/0123436").URFN.   | USPAT   | OR | OFF | 2008/11/04<br>19:24 |
| S3  | 8   | "6191081"  | USPAT   | OR | ON  | 2008/11/04<br>19:47 |
| S4  | 105 | ((lubricant or lubricating or<br>lubrication) and<br>quaternary near<br>ammonium   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/04<br>20:55 |
| S5  | 81  | S4 and @ad<"20040130"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/04<br>20:57 |
| S6  | 16  | ("3271309"   "3623982"  <br>"3730896"   "3758407"  <br>"3791973"   "3940339"  <br>"3985662").PN. OR<br>("4156655").URFN. | US-PGPUB;<br>USPAT; USOCR                                   | OR | OFF | 2008/11/05<br>09:55 |

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|----|----|---|---|----|-----|---------------------|
| S7 | 0  | ("JP-5608380-\$.DID.ORJP-6158075-\$.DID.ORJP-59227982-\$.DID.ORJP-11193391-\$.DID.ORJP-11199881-\$.DID.ORJP-10195476-\$.DID.ORJP-7305083-\$.DID.ORUS-5000913-\$.DID.ORUS-8003321-\$.DID.ORUS-1146557-\$.DID.ORDE-3023362-\$.DID.ORUS-2460300-\$.DID.ORUS-2054607-\$.DID.ORUS-1131391-\$.DID.ORUS-4253980-\$.DID.ORUS-4306070-\$.DID.ORUS-9341578-\$.DID.ORUS-9302347-\$.DID.ORUS-2099802-\$.DID.ORUS-1081706-\$.DID.ORDE-69311215-\$.DID.ORUS-5308521-\$.DID.").PN.             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2008/11/05<br>10:03 |
| S8 | 10 | JP-6158075-\$.DID. OR JP-59227982-\$.DID. OR JP-11193391-\$.DID. OR JP-11199881-\$.DID. OR JP-10195476-\$.DID. OR JP-7305083-\$.DID. OR US-5000913-\$.DID. OR US-8003321-\$.DID. OR US-1146557-\$.DID. OR DE-3023362-\$.DID. OR US-2460300-\$.DID. OR US-2054607-\$.DID. OR US-1131391-\$.DID. OR US-4253980-\$.DID. OR US-4306070-\$.DID. OR US-9341578-\$.DID. OR US-9302347-\$.DID. OR US-2099802-\$.DID. OR US-1081706-\$.DID. OR DE-69311215-\$.DID. OR US-5308521-\$.DID. | USPAT   | OR | OFF | 2008/11/05<br>10:04 |

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| S9  | 27  | JP-6158075-\$.DID. OR JP-59227982-\$.DID. OR JP-11193391-\$.DID. OR JP-11199881-\$.DID. OR JP-10195476-\$.DID. OR JP-7305083-\$.DID. OR US-5000913-\$.DID. OR US-8003321-\$.DID. OR US-1146557-\$.DID. OR DE-3023362-\$.DID. OR US-2460300-\$.DID. OR US-2054607-\$.DID. OR US-1131391-\$.DID. OR US-4253980-\$.DID. OR US-4306070-\$.DID. OR US-9341578-\$.DID. OR US-9302347-\$.DID. OR US-2099802-\$.DID. OR US-1081706-\$.DID. OR DE-69311215-\$.DID. OR US-5308521-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2008/11/05<br>10:04 |
| S10 | 115 | (508/547).CCLS.   | US-PGPUB;<br>USPAT; USOCR                                   | OR | OFF | 2008/11/05<br>10:46 |
| S11 | 39  | S10 and ammonium near salt  | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2008/11/05<br>10:47 |
| S12 | 19  | S11 and @ad< "20040130"   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2008/11/05<br>10:47 |
| S13 | 107 | (lubricant or lubricating or lubrication) and (quaternary or quaternary) near ammonium  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT          | OR | ON  | 2008/11/05<br>10:52 |
| S14 | 83  | S13 and @ad< "20040130"   | US-PGPUB;<br>USPAT; USOCR                                   | OR | ON  | 2008/11/05<br>10:52 |
| S15 | 1   | ("6436445").FN.   | USPAT; USOCR  | OR | OFF | 2008/11/06<br>10:13 |

11/ 6/ 2008 11:50:30 AM

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